



# DEFENSE LOGISTICS AGENCY

LAND AND MARITIME  
POST OFFICE BOX 3990  
COLUMBUS, OH 43218-3990

April 3, 2013

Mr. Harry James  
Semicoa Corporation  
333 McCormick Avenue  
Costa Mesa, CA 92628-2613

Dear Mr. James:

Re: Notification of Qualification, MIL-PRF-19500P, FSC 5961, VQ (VQE-13-026081); CAGE 34156; Ctrl # 038868

Qualification of your product is granted based on successful testing of device type JANTX2N2222A to Performance Specification MIL-PRF-19500P, Semiconductor Devices, FSC 5961 and performance specification sheet /255, revision T. Extension is also granted to other devices listed below as allowed by E.4.2.2 (Qualification by extension). Therefore, your products will be listed as shown below in the Qualified Manufacturers List (QML) 19500. The effective date of this qualification is March 28, 2013 and starting lot date code T1213.

Thermal Conditions (subject to change after 5 lots with approval from the qualifying activity)							
Package	V <sub>ce</sub>	I <sub>m</sub>	I <sub>H</sub>	t <sub>H</sub>	t <sub>MD</sub> *	Z <sub>θJX</sub> (Screening)	Z <sub>θJX</sub> (QCI)
TO-18	10 V	1mA	50mA	30 msec	100 μsec	41.0C/W max	43.0°C/W max
*Correlated with t <sub>MD</sub> 70 μs							

Government Designation	ESD Class	Manufacturer Designation	Test Report Reference	Prf. Spec	Manufacturer Name & Address
** 2N2221A;AL 6/ ** 2N2222A;AL 6/	1B	CEJJ	19500-3810-13	/255	Same as above
					Plant (3): Tong Hsing Electronics 103 Prosperity Ave Carmelray Intrnt'l Buis Park Canulbang, Cambala City Laguna, Philippines (Assembly)
<u>6/</u> Testing is compliant to the latest revision of MIL-STD-750 Test Method 1020.3 ** Includes JAN, JANTX, and JANTXV quality levels					

This qualification approval is based upon test report number 19500-3810-13 for your die & package, your letter dated March 11, 2013 and subsequent emails. This qualification is subject to the conditions as stated in the SD-6 and DOD 4120.24M.

Because we are held responsible for the accuracy and currency of this Qualified Manufacturers List, please let us know if your company discontinues production of these products. Also, manufacturers are required to inform this office immediately after learning of a potential issuance of a GIDEP alert, problem advisory, or other problem notification on their QML product.

If you have any questions concerning this letter, please contact Mr. Carl DelloStritto (614) 692-0616.

Sincerely,

/SIGNED/

JOSEPH GEMPERLINE  
Chief  
Sourcing and Qualifications Division

